Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssptansc1625

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	AUG 06	CAS REGISTRY enhanced with new experimental property tags
NEWS 3	AUG 06	FSTA enhanced with new thesaurus edition
NEWS 4	AUG 13	CA/CAplus enhanced with additional kind codes for granted patents
NEWS 5	AUG 20	CA/CAplus enhanced with CAS indexing in pre-1907 records
NEWS 6	AUG 27	Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS 7	AUG 27	USPATOLD now available on STN
NEWS 8	AUG 28	CAS REGISTRY enhanced with additional experimental spectral property data
NEWS 9	SEP 07	STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS 10	SEP 13	FORIS renamed to SOFIS
NEWS 11	SEP 13	INPADOCDB enhanced with monthly SDI frequency
NEWS 12	SEP 17	CA/CAplus enhanced with printed CA page images from 1967-1998
NEWS 13	SEP 17	CAplus coverage extended to include traditional medicine patents
NEWS 14	SEP 24	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS 15	OCT 02	CA/CAplus enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS 16	OCT 19	BEILSTEIN updated with new compounds
NEWS 17	NOV 15	Derwent Indian patent publication number format enhanced
NEWS 18	NOV 19	WPIX enhanced with XML display format
NEWS 19	NOV 30	ICSD reloaded with enhancements
NEWS 20	DEC 04	LINPADOCDB now available on STN
NEWS 21	DEC 14	BEILSTEIN pricing structure to change
NEWS 22	DEC 17	USPATOLD added to additional database clusters
NEWS 23	DEC 17	IMSDRUGCONF removed from database clusters and STN
NEWS 24	DEC 17	DGENE now includes more than 10 million sequences
NEWS 25	DEC 17	TOXCENTER enhanced with 2008 MeSH vocabulary in MEDLINE segment
NEWS 26	DEC 17	MEDLINE and LMEDLINE updated with 2008 MeSH vocabulary
NEWS 27	DEC 17	CA/CAplus enhanced with new custom IPC display formats
NEWS 28	DEC 17	STN Viewer enhanced with full-text patent content from USPATOLD
NEWS 29	JAN 02	STN pricing information for 2008 now available
NEWS 30	JAN 16	CAS patent coverage enhanced to include exemplified prophetic substances

NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2,
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),

AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 18:23:29 ON 27 JAN 2008

=> fil reg
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 0.21 0.21

FILE 'REGISTRY' ENTERED AT 18:23:43 ON 27 JAN 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 25 JAN 2008 HIGHEST RN 1000843-54-8
DICTIONARY FILE UPDATES: 25 JAN 2008 HIGHEST RN 1000843-54-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

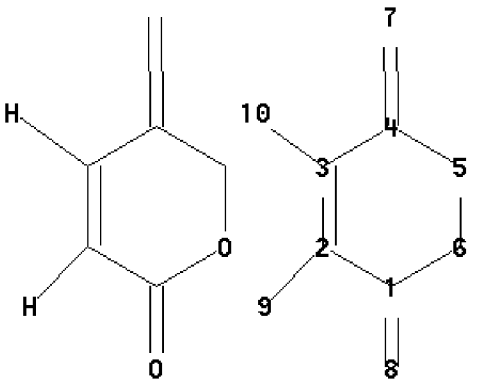
TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\Stnexp\Queries\10585974A.str

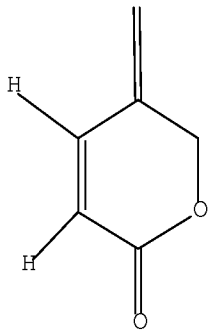


chain nodes :
7 8 9 10
ring nodes :
1 2 3 4 5 6
chain bonds :
1-8 2-9 3-10 4-7
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
1-2 1-6 1-8 2-3 3-4 4-5 5-6
exact bonds :
2-9 3-10 4-7

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS

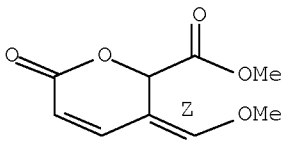
L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR

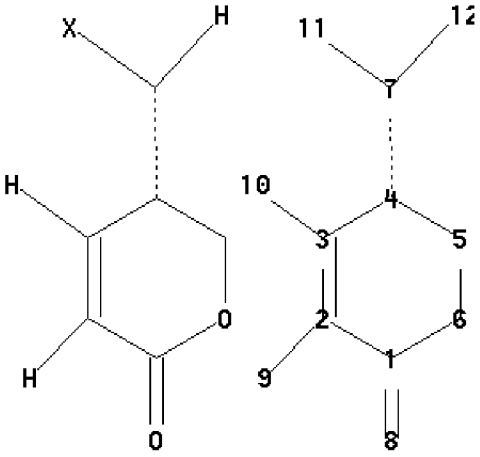


Structure attributes must be viewed using STN Express query preparation.

```
=> s sss sam l1
SAMPLE SEARCH INITIATED 18:24:05 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     3211 TO ITERATE

 62.3% PROCESSED     2000 ITERATIONS                                 1 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:        60822 TO    67618
PROJECTED ANSWERS:               1 TO      108

L2            1 SEA SSS SAM L1

=> d scan

L2   1 ANSWERS   REGISTRY  COPYRIGHT 2008 ACS on STN
IN   2H-Pyran-2-carboxylic acid, 3,6-dihydro-3-(methoxymethylene)-6-oxo-,
     methyl ester, (Z)- (9CI)
MF   C9 H10 O5

Double bond geometry as shown.
```




```
**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**


ALL ANSWERS HAVE BEEN SCANNED


=>
Uploading C:\Program Files\Stnexp\Queries\10574545B.str
```

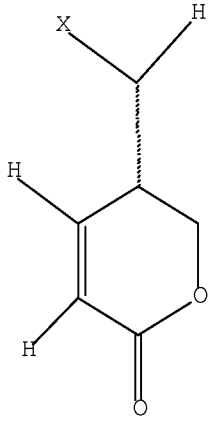


chain nodes :
7 8 9 10 11 12
ring nodes :
1 2 3 4 5 6
chain bonds :
1-8 2-9 3-10 4-7 7-11 7-12
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
1-2 1-6 1-8 2-3 3-4 4-5 4-7 5-6
exact bonds :
2-9 3-10 7-11 7-12

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS

L3 STRUCTURE UPLOADED

=> d l3
L3 HAS NO ANSWERS
L3 STR



Structure attributes must be viewed using STN Express query preparation.

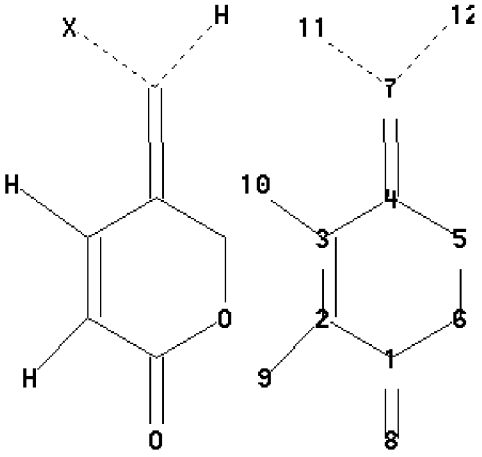
=> s sss sam l3
SAMPLE SEARCH INITIATED 18:26:52 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 746 TO ITERATE

100.0% PROCESSED 746 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 13282 TO 16558
PROJECTED ANSWERS: 0 TO 0

L4 0 SEA SSS SAM L3

=>
Uploading C:\Program Files\Stnexp\Queries\10574545C.str

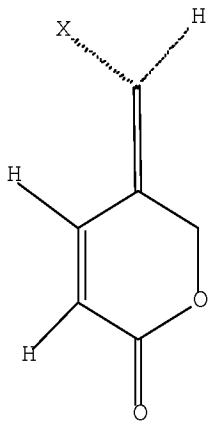


chain nodes :
7 8 9 10 11 12
ring nodes :
1 2 3 4 5 6
chain bonds :
1-8 2-9 3-10 4-7 7-11 7-12
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
1-2 1-6 1-8 2-3 3-4 4-5 5-6 7-11 7-12
exact bonds :
2-9 3-10 4-7

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS

L5 STRUCTURE UPLOADED

=> d l5
L5 HAS NO ANSWERS
L5 STR



Structure attributes must be viewed using STN Express query preparation.

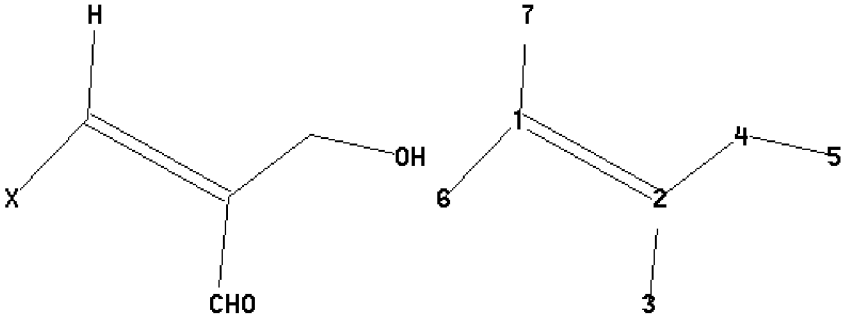
=> s sss sam l5
SAMPLE SEARCH INITIATED 18:30:02 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 746 TO ITERATE

100.0% PROCESSED 746 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 13282 TO 16558
PROJECTED ANSWERS: 0 TO 0

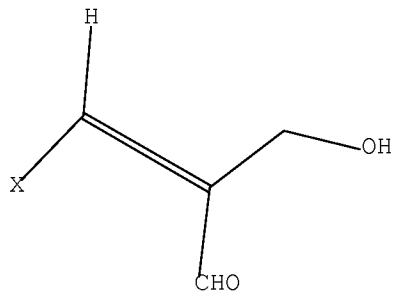
L6 0 SEA SSS SAM L5

=>
Uploading C:\Program Files\Stnexp\Queries\10574574D.str



chain nodes :

```
1  2  3  5  6  7
ring/chain nodes :
4
chain bonds :
1-2  1-6  1-7  2-3  2-4  4-5
exact/norm bonds :
4-5
exact bonds :
1-2  1-6  1-7  2-3  2-4


Match level :
1:CLASS  2:CLASS  3:CLASS  4:CLASS  5:CLASS  6:CLASS  7:CLASS



L7      STRUCTURE UPLOADED

=> d l7
L7 HAS NO ANSWERS
L7              STR
```




```
Structure attributes must be viewed using STN Express query preparation.


=> s sss sam l7
SAMPLE SEARCH INITIATED 18:33:20 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      151 TO ITERATE

100.0% PROCESSED      151 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:         2283 TO     3757
PROJECTED ANSWERS:               0 TO        0

L8            0 SEA SSS SAM L7

=> fil stng
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       8.28       8.49
```

```
FILE 'STNGUIDE' ENTERED AT 18:34:14 ON 27 JAN 2008
USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT
COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Jan 25, 2008 (20080125/UP).

=> logoff y
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       0.54       9.03

STN INTERNATIONAL LOGOFF AT 18:39:32 ON 27 JAN 2008



Connecting via Winsock to STN



Welcome to STN International!  Enter x:x

LOGINID:ssptansc1625

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2


* * * * * * * * * *   Welcome to STN International   * * * * * * * * * *

 NEWS  1          Web Page for STN Seminar Schedule - N. America
 NEWS  2  AUG 06  CAS REGISTRY enhanced with new experimental property tags
 NEWS  3  AUG 06  FSTA enhanced with new thesaurus edition
 NEWS  4  AUG 13  CA/CAplus enhanced with additional kind codes for granted
                  patents
 NEWS  5  AUG 20  CA/CAplus enhanced with CAS indexing in pre-1907 records
 NEWS  6  AUG 27  Full-text patent databases enhanced with predefined
                  patent family display formats from INPADOCDB
 NEWS  7  AUG 27  USPATOLD now available on STN
 NEWS  8  AUG 28  CAS REGISTRY enhanced with additional experimental
                  spectral property data
 NEWS  9  SEP 07  STN AnaVist, Version 2.0, now available with Derwent
                  World Patents Index
 NEWS 10  SEP 13  FORIS renamed to SOFIS
 NEWS 11  SEP 13  INPADOCDB enhanced with monthly SDI frequency
 NEWS 12  SEP 17  CA/CAplus enhanced with printed CA page images from
                  1967-1998
 NEWS 13  SEP 17  CAplus coverage extended to include traditional medicine
                  patents
 NEWS 14  SEP 24  EMBASE, EMBAL, and LEMBASE reloaded with enhancements
 NEWS 15  OCT 02  CA/CAplus enhanced with pre-1907 records from Chemisches
                  Zentralblatt
 NEWS 16  OCT 19  BEILSTEIN updated with new compounds
 NEWS 17  NOV 15  Derwent Indian patent publication number format enhanced
 NEWS 18  NOV 19  WPIX enhanced with XML display format
 NEWS 19  NOV 30  ICSD reloaded with enhancements
 NEWS 20  DEC 04  LINPADOCDB now available on STN
 NEWS 21  DEC 14  BEILSTEIN pricing structure to change
```

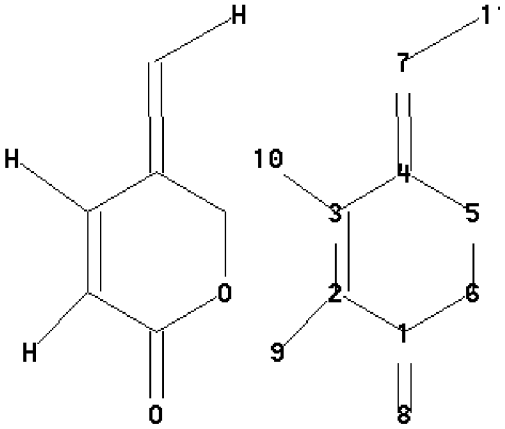
```
 NEWS 22  DEC 17  USPATOLD added to additional database clusters
 NEWS 23  DEC 17  IMSDRUGCONF removed from database clusters and STN
 NEWS 24  DEC 17  DGENE now includes more than 10 million sequences
 NEWS 25  DEC 17  TOXCENTER enhanced with 2008 MeSH vocabulary in
                  MEDLINE segment
 NEWS 26  DEC 17  MEDLINE and LMEDLINE updated with 2008 MeSH vocabulary
 NEWS 27  DEC 17  CA/CAplus enhanced with new custom IPC display formats
 NEWS 28  DEC 17  STN Viewer enhanced with full-text patent content
                  from USPATOLD
 NEWS 29  JAN 02  STN pricing information for 2008 now available
 NEWS 30  JAN 16  CAS patent coverage enhanced to include exemplified
                  prophetic substances
 NEWS 31  JAN 28  USPATFULL, USPAT2, and USPATOLD enhanced with new
                  custom IPC display formats
 NEWS 32  JAN 28  MARPAT searching enhanced
 NEWS 33  JAN 28  USGENE now provides USPTO sequence data within 3 days
                  of publication
 NEWS 34  JAN 28  TOXCENTER enhanced with reloaded MEDLINE segment
 NEWS 35  JAN 28  MEDLINE and LMEDLINE reloaded with enhancements

 NEWS EXPRESS  19 SEPTEMBER 2007:  CURRENT WINDOWS VERSION IS V8.2,
               CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
               AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

 NEWS HOURS    STN Operating Hours Plus Help Desk Availability
 NEWS LOGIN    Welcome Banner and News Items
 NEWS IPC8     For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that
specific topic.

  All use of STN is subject to the provisions of the STN Customer
  agreement.  Please note that this agreement limits use to scientific
  research.  Use for software development or design or implementation
  of commercial gateways or other similar uses is prohibited and may
  result in loss of user privileges and other penalties.

* * * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 19:43:33 ON 31 JAN 2008

=> fil reg
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       0.21       0.21

FILE 'REGISTRY' ENTERED AT 19:43:46 ON 31 JAN 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2008 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:   30 JAN 2008  HIGHEST RN 1001156-45-1
DICTIONARY FILE UPDATES:  30 JAN 2008  HIGHEST RN 1001156-45-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007
```

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\Stnexp\Queries\10585974B.str

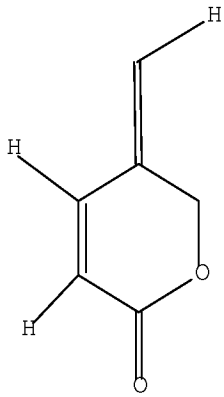


chain nodes :
7 8 9 10 11
ring nodes :
1 2 3 4 5 6
chain bonds :
1-8 2-9 3-10 4-7 7-11
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
1-2 1-6 1-8 2-3 3-4 4-5 5-6
exact bonds :
2-9 3-10 4-7 7-11

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS 11:CLASS

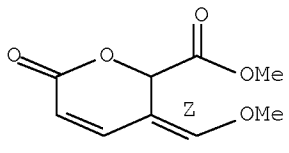
L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

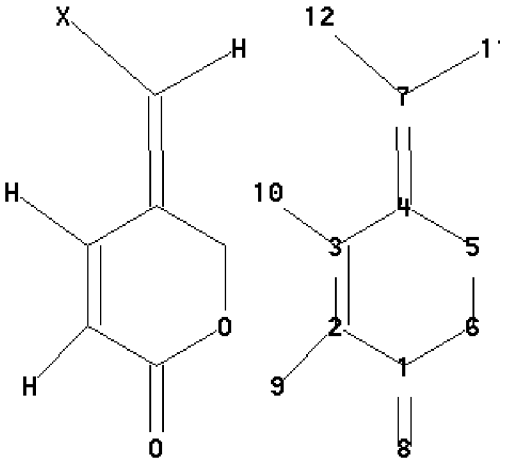
```
=> s sss l1 sam
SAMPLE SEARCH INITIATED 19:44:22 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     3215 TO ITERATE

 62.2% PROCESSED     2000 ITERATIONS                                1 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:         60900 TO    67700
PROJECTED ANSWERS:                1 TO      108

L2            1 SEA SSS SAM L1

=> d scan

L2   1 ANSWERS   REGISTRY  COPYRIGHT 2008 ACS on STN
IN   2H-Pyran-2-carboxylic acid, 3,6-dihydro-3-(methoxymethylene)-6-oxo-,
     methyl ester, (Z)- (9CI)
MF   C9 H10 O5

Double bond geometry as shown.
```



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=>
Uploading C:\Program Files\Stnexp\Queries\10585974C.str

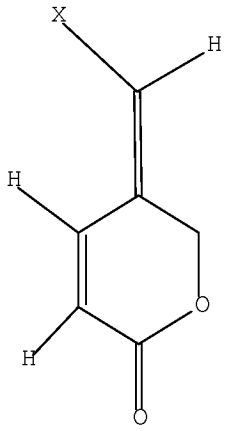


chain nodes :
7 8 9 10 11 12
ring nodes :
1 2 3 4 5 6
chain bonds :
1-8 2-9 3-10 4-7 7-11 7-12
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
1-2 1-6 1-8 2-3 3-4 4-5 5-6
exact bonds :
2-9 3-10 4-7 7-11 7-12

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS

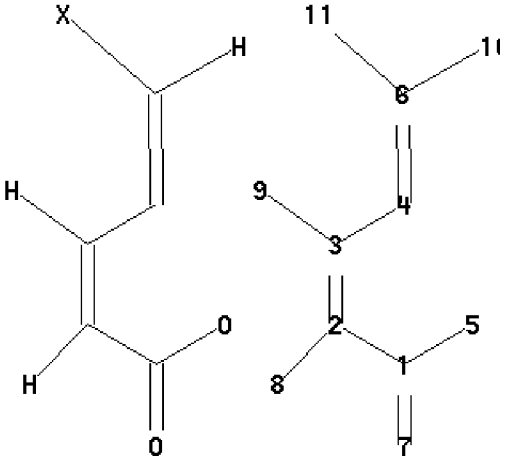
L3 STRUCTURE UPLOADED

=> d l3
L3 HAS NO ANSWERS
L3 STR



Structure attributes must be viewed using STN Express query preparation.

```
=> s sss l3 sam
SAMPLE SEARCH INITIATED 19:50:03 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -       72 TO ITERATE

100.0% PROCESSED       72 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:          931 TO     1949
PROJECTED ANSWERS:               0 TO        0

L4            0 SEA SSS SAM L3

=>
Uploading C:\Program Files\Stnexp\Queries\10585974D.str
```



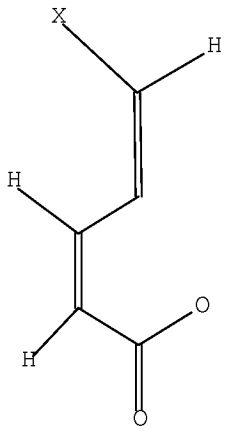

```
chain nodes :
6  7  8  9  10  11
ring/chain nodes :
1  2  3  4  5
```

chain bonds :
1-7 2-8 3-9 4-6 6-10 6-11
ring/chain bonds :
1-2 1-5 2-3 3-4
exact/norm bonds :
1-2 1-5 1-7 2-3 3-4
exact bonds :
2-8 3-9 4-6 6-10 6-11

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS
11:CLASS

L5   STRUCTURE UPLOADED

=> d l5
L5 HAS NO ANSWERS
L5   STR



Structure attributes must be viewed using STN Express query preparation.

=> s sss sam l5
SAMPLE SEARCH INITIATED 19:53:05 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   3603 TO ITERATE

 55.5% PROCESSED   2000 ITERATIONS   1 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

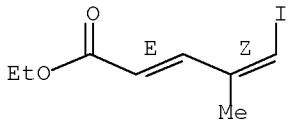
FULL FILE PROJECTIONS: ONLINE **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS: 68460 TO   75660
PROJECTED ANSWERS: 1 TO   116

L6 1 SEA SSS SAM L5

=> d scan

L6 1 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 2,4-Pentadienoic acid, 5-iodo-4-methyl-, ethyl ester, (2E,4Z)-
MF C8 H11 I O2

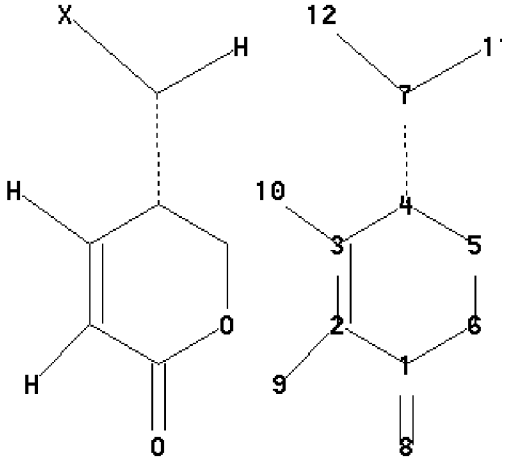
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=>
Uploading C:\Program Files\Stnexp\Queries\10585974E.str



chain nodes :
7 8 9 10 11 12
ring nodes :
1 2 3 4 5 6
chain bonds :
1-8 2-9 3-10 4-7 7-11 7-12
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
1-2 1-6 1-8 2-3 3-4 4-5 4-7 5-6
exact bonds :
2-9 3-10 7-11 7-12

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS

L7   STRUCTURE UPLOADED

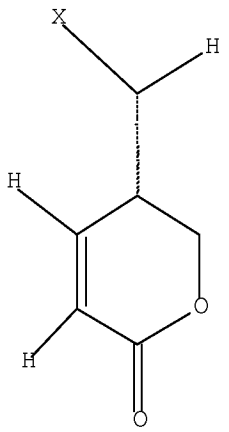
=> s sss l7 sam
SAMPLE SEARCH INITIATED 19:56:16 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   746 TO ITERATE

100.0% PROCESSED   746 ITERATIONS   0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS: 13282 TO   16558
PROJECTED ANSWERS: 0 TO   0

L8   0 SEA SSS SAM L7

=> d l7
L7 HAS NO ANSWERS
L7   STR



Structure attributes must be viewed using STN Express query preparation.

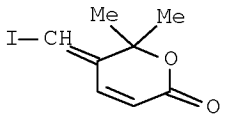
=> s sss l7 full
FULL SEARCH INITIATED 19:56:40 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   15629 TO ITERATE

100.0% PROCESSED   15629 ITERATIONS   2 ANSWERS
SEARCH TIME: 00.00.01

L9   2 SEA SSS FUL L7

=> d scan

L9 2 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 2H-Pyran-2-one, 5,6-dihydro-5-(iodomethylene)-6,6-dimethyl-
MF C8 H9 I O2

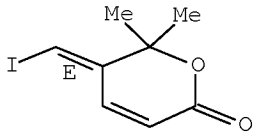


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L9 2 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 2H-Pyran-2-one, 5,6-dihydro-5-(iodomethylene)-6,6-dimethyl-, (5E)-
MF C8 H9 I O2

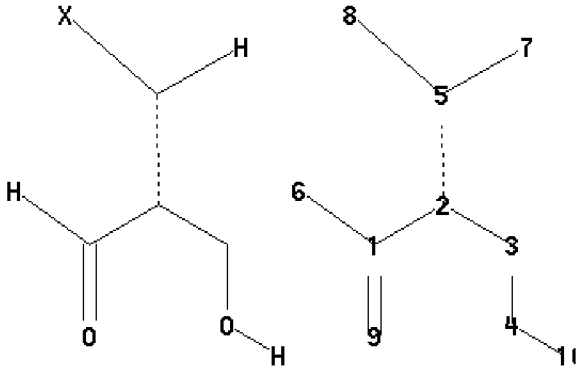
Double bond geometry as shown.



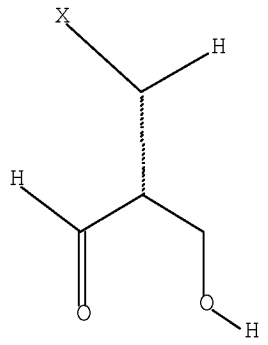
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=>
Uploading C:\Program Files\Stnexp\Queries\10585974F.str



```
chain nodes :
1  2  4  5  6  7  8  9  10
ring/chain nodes :
3
chain bonds :
1-6  1-2  1-9  2-3  2-5  3-4  4-10  5-7  5-8
exact/norm bonds :
1-9  2-5  3-4
exact bonds :
1-6  1-2  2-3  4-10  5-7  5-8


Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:CLASS  6:CLASS  7:CLASS  8:CLASS  9:CLASS
10:CLASS




L10     STRUCTURE UPLOADED

=> d l10
L10 HAS NO ANSWERS
L10             STR
```




```
Structure attributes must be viewed using STN Express query preparation.


=> s sss l10 sam
SAMPLE SEARCH INITIATED 20:00:23 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     2828 TO ITERATE

 70.7% PROCESSED     2000 ITERATIONS                                0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:        53371 TO    59749
PROJECTED ANSWERS:               0 TO        0
```

L11 0 SEA SSS SAM L10

=> s sss l10 full
FULL SEARCH INITIATED 20:00:33 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 56352 TO ITERATE

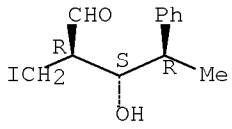
100.0% PROCESSED 56352 ITERATIONS 4 ANSWERS
SEARCH TIME: 00.00.01

L12 4 SEA SSS FUL L10

=> d scan

L12 4 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Benzenebutanal, β-hydroxy-α-(iodomethyl)-γ-methyl-, (αR,βS,γR)-
MF C12 H15 I O2

Absolute stereochemistry.

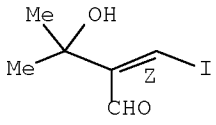


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):3

L12 4 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Butanal, 3-hydroxy-2-(iodomethylene)-3-methyl-, (2Z)-
MF C6 H9 I O2

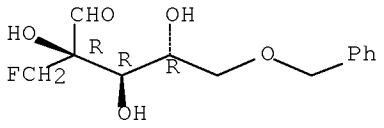
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

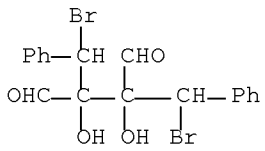
L12 4 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN D-Ribose, 2-C-(fluoromethyl)-5-O-(phenylmethyl)-
MF C13 H17 F O5

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L12 4 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Butanedial, 2,3-bis(bromophenylmethyl)-2,3-dihydroxy-
MF C18 H16 Br2 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> fil reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	369.14	369.35

FILE 'REGISTRY' ENTERED AT 20:01:18 ON 31 JAN 2008

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 30 JAN 2008 HIGHEST RN 1001156-45-1
DICTIONARY FILE UPDATES: 30 JAN 2008 HIGHEST RN 1001156-45-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and

predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=> fil caplus
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 0.46 369.81

FILE 'CAPLUS' ENTERED AT 20:01:24 ON 31 JAN 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 31 Jan 2008 VOL 148 ISS 5
FILE LAST UPDATED: 30 Jan 2008 (20080130/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

http://www.cas.org/infopolicy.html

=> d his

(FILE 'HOME' ENTERED AT 19:43:33 ON 31 JAN 2008)

FILE 'REGISTRY' ENTERED AT 19:43:46 ON 31 JAN 2008
L1 STRUCTURE UPLOADED
L2 1 S SSS L1 SAM
L3 STRUCTURE UPLOADED
L4 0 S SSS L3 SAM
L5 STRUCTURE UPLOADED
L6 1 S SSS SAM L5
L7 STRUCTURE UPLOADED
L8 0 S SSS L7 SAM
L9 2 S SSS L7 FULL
L10 STRUCTURE UPLOADED
L11 0 S SSS L10 SAM
L12 4 S SSS L10 FULL

FILE 'REGISTRY' ENTERED AT 20:01:18 ON 31 JAN 2008

FILE 'CAPLUS' ENTERED AT 20:01:24 ON 31 JAN 2008

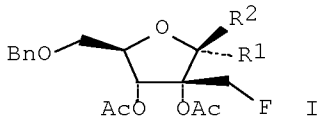
=> s l12
L13 4 L12

=> s l9
L14 1 L9

=> s l13 or l14
L15 4 L13 OR L14

=> d ibib abs hitstr 1-4

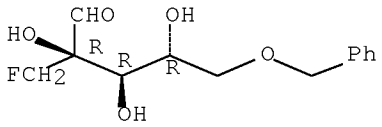
L15 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2006:703674 CAPLUS Full-text
DOCUMENT NUMBER: 146:62995
TITLE: Synthesis of 5-O-benzyl-2-C-β-fluoromethyl-1,2,3-tri-O-acetyl-D-ribofuranose
AUTHOR(S): Elend, M. Dirk; Fray, Jonathan; Pryde, David
CORPORATE SOURCE: Department of Discovery Chemistry, Pfizer Global Research and Development, Sandwich, Kent, CT13 9NJ, UK
SOURCE: ARKIVOC (Gainesville, FL, United States) (2006), (11), 114-127
CODEN: AGFUAR
URL: http://www.arkat-usa.org/ARKIVOC/JOURNAL_CONTENT/manuscripts/2006/06-1862BP%20as%20published%20mainmanuscript.pdf
PUBLISHER: Arkat USA Inc.
DOCUMENT TYPE: Journal; (online computer file)
LANGUAGE: English
OTHER SOURCE(S): CASREACT 146:62995
GI



I

AB The novel, protected fluoromethylribose I (R1, R2 = H, OAc) was prepared in seven steps (26% overall yield) from com. available D-ribonolactone. First, the three hydroxyl groups were protected as the 2,3-isopropylidene-5-benzyl derivative Reduction of the resulting fully protected ribonolactone to the lactol was achieved by using Cp2TiF2-catalyzed hydrosilylation, followed by hydrolysis. Reaction with formaldehyde installed the 2-C-β-hydroxymethyl group. Treatment with DAST gave the 1-fluoro-2-C-β-fluoromethyl derivative, which, on hydrolysis and acetylation, afforded the title compound I (R1, R2 = H, OAc).
IT 916801-33-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of benzyl β-fluoromethyl triacetyl-D-ribofuranose via diastereoselective dicyclopentadienyl titanium difluoride-catalyzed Buchwald's hydrosilylation/reduction, aldol addition and fluorination from D-ribonolactone)
RN 916801-33-7 CAPLUS
CN D-Ribose, 2-C-(fluoromethyl)-5-O-(phenylmethyl)- (CA INDEX NAME)

Absolute stereochemistry.

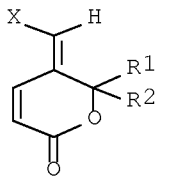


REFERENCE COUNT: 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

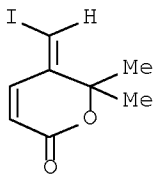
L15 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2005:610758 CAPLUS Full-text
DOCUMENT NUMBER: 143:133277
TITLE: Preparation of pyranones as antitumor agents
INVENTOR(S): Bakala, Joanna; Herlem, Denyse; Benechie, Emile; Bignon, Jerome; Kuong, Huu Francoise; Potier, Pierre
PATENT ASSIGNEE(S): Centre National de la Recherche Scientifique CNRS, Fr.
SOURCE: Fr. Demande, 27 pp.
CODEN: FRXXBL
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2864959	A1	20050715	FR 2004-298	20040114
FR 2864959	B1	20060317		
CA 2553318	A1	20050811	CA 2005-2553318	20050114
WO 2005073211	A1	20050811	WO 2005-FR84	20050114
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1720849	A1	20061115	EP 2005-717419	20050114
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR				
JP 2007521337	T	20070802	JP 2006-548352	20050114
US 2007167515	A1	20070719	US 2006-585974	20060713

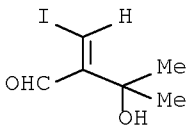
PRIORITY APPLN. INFO.: FR 2004-298 A 20040114
WO 2005-FR84 W 20050114
OTHER SOURCE(S): CASREACT 143:133277; MARPAT 143:133277
GI



I



II



III

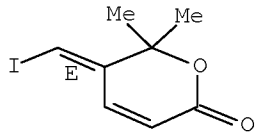
AB Title compds. I [X = Cl, Br, I; R1, R2 = independently H, (un)substituted cyclo/alkyl, alkylene; or R1CR2 = (un)substituted 5-8-membered ring; and their isomers, enantiomers, diastereoisomers, and mixts.] were prepared as antitumor agents. For example, II was prepared in 4 steps by reduction of Et (Z)-2-(1-hydroxy-1-methylethyl)-3-iodo-2-propenoate with LiAlH4, oxidation of alc. with MnO2, Horner-Emmons reaction of aldehyde III with Me [bis(2,2,2-trifluoroethyl)phosphinoyl]acetate and cyclization of hydroxy ester (not isolated). I showed in vitro cytotoxic activity towards KB and HCT-116 tumor cell lines. Exposure of K562 cells to I induced a cell-cycle block and apoptosis.

IT 858346-56-2P, (E)-5-Iodomethylene-6,6-dimethyl-5,6-dihydropyran-2-one 858346-63-1P, 5-Iodomethylene-6,6-dimethyl-5,6-dihydropyran-2-one
RL: ADV (Adverse effect, including toxicity); PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(cytotoxic agent; preparation of pyranones as antitumor agents)

RN 858346-56-2 CAPLUS

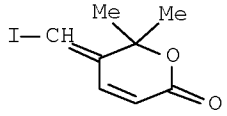
CN 2H-Pyran-2-one, 5,6-dihydro-5-(iodomethylene)-6,6-dimethyl-, (5E)- (CA INDEX NAME)

Double bond geometry as shown.



RN 858346-63-1 CAPLUS

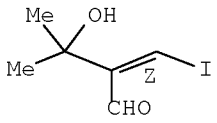
CN 2H-Pyran-2-one, 5,6-dihydro-5-(iodomethylene)-6,6-dimethyl- (CA INDEX NAME)



IT 858346-61-9P, (Z)-2-(1-Hydroxy-1-methylethyl)-3-iodopropenal
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(intermediate; preparation of pyranones as antitumor agents)
RN 858346-61-9 CAPLUS
CN Butanal, 3-hydroxy-2-(iodomethylene)-3-methyl-, (2Z)- (CA INDEX NAME)

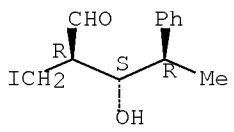
Double bond geometry as shown.



REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1999:629672 CAPLUS Full-text
DOCUMENT NUMBER: 132:12280
TITLE: Highly Stereoselective Coupling Reaction of Acrolein or Vinyl Ketone with Aldehydes
AUTHOR(S): Uehira, Shigeki; Han, Zhenfu; Shinokubo, Hiroshi; Oshima, Koichiro
CORPORATE SOURCE: Department of Material Chemistry Graduate School of Engineering, Kyoto University, Yoshida, Sakyo-ku, Kyoto, 606-8501, Japan
SOURCE: Organic Letters (1999), 1(9), 1383-1385
CODEN: ORLEF7; ISSN: 1523-7060
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 132:12280
AB Treatment of acrolein with a TiCl4-n-Bu4NI mixed reagent in the presence of 2 equiv of aldehydes provided 4-hydroxy-1,3-dioxane derivs. in good yields with high stereoselectivities. The use of vinyl ketones instead of acrolein afforded aldol-type adducts with high syn selectivities.
IT 251570-23-7P
RL: SPN (Synthetic preparation); PREP (Preparation)
(highly stereoselective coupling reaction of acrolein or vinyl ketone with aldehydes)
RN 251570-23-7 CAPLUS
CN Benzenebutanal, β-hydroxy-α-(iodomethyl)-γ-methyl-, (αR,βS,γR)- (CA INDEX NAME)

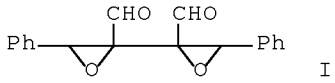
Absolute stereochemistry.



REFERENCE COUNT: 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1992:591597 CAPLUS Full-text
DOCUMENT NUMBER: 117:191597
TITLE: Some reactions with 1,4-diphenyl-2,3-diformyl-1:2,3:4-diepoxybutane
AUTHOR(S): El-Gendy, A. M.; El-Safty, M.; Deeb, A.; Said, S. A.
CORPORATE SOURCE: Fac. Sci., Zagazig Univ., Zagazig, Egypt
SOURCE: Egyptian Journal of Chemistry (1991), Volume Date 1989, 32(3), 351-7
CODEN: EGJCA3; ISSN: 0367-0422
DOCUMENT TYPE: Journal
LANGUAGE: English
GI

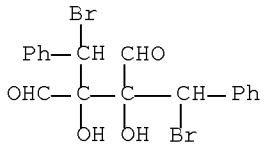


I

AB Reactions of the title compound (I) with HBr, hydrazines, primary amines, HONH2·HCl, Grignard reagents, and aromatic hydrocarbons were examined Thus, I reacted with PhMgBr and MeMgI to give RCHPhC(OH)(CHROH)C(OH)(CHROH)CHRPh (R = Ph, Me).

IT 143704-24-9P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and cyclization of)

RN 143704-24-9 CAPLUS
CN Butanedial, 2,3-bis(bromophenylmethyl)-2,3-dihydroxy- (CA INDEX NAME)



=> logoff h

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	23.72	393.53
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-3.20	-3.20

SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 20:03:34 ON 31 JAN 2008